

IN THE ABSTRACT

Please delete the Abstract and insert the following in lieu thereof:

One embodiment of the present invention is a method and machine readable medium for determining optimal values of design parameters of a subsystem to meet design constraints. The subsystem includes a number of circuits. A parameter function is created for the corresponding circuits. The parameter function represents a relationship among design parameters of the subsystem. The design parameters include constraint and optimizing sets. Initial design points for the parameter functions having a first sum of the constraint sets and a second sum of the optimizing sets are selected to such that the first sum satisfies the design constraints. New design points for the parameter functions are selected such that the second sum is improved while the first sum is within the design constraints.

IN THE CLAIMS

Following is a complete set of claims as amended with this response, which includes new claims 28 and 29, and amendments to claims 1, 3, 11, 13, 22, and 24.

CLEAN CLAIMS

1. (THREE TIMES AMENDED) A method comprising:
- (a) creating parameter functions for a plurality of circuits in a subsystem, the subsystem having design constraints, each one of the parameter functions corresponding to each one of the circuits, the parameter functions representing a relationship among [the] design parameters of the subsystem, the design parameters including constraint and optimizing sets;
- (b) selecting initial design points on the parameter functions having a first sum of the constraint set and a second sum of the optimizing set such that the first sum satisfies the design constraints; and
- (c) selecting new design points on the parameter functions such that the second sum is improved within the design constraints.

2. The method of claim 1 wherein the creating the parameter functions comprises:
- (a1) configuring each circuit of the plurality of circuits; and